

DAVLIN ROOFSEAL FABRIC

Technical Data Sheet | Polyester Reinforcement Fabric



TECHNICAL PRODUCT DATA

100% POLYESTER | FLEXIBLE REINFORCEMENT | ROOF RESTORATION SYSTEMS

PRODUCT CHARACTERISTICS

ROOFSEAL FABRIC is a soft, easy-to-handle polyester reinforcement used at seams, panel overlaps, splits, joints, cracks, protrusions and flashing details. It readily conforms to rough gravel surfaces and standing seam metal roof decks.

ROOFSEAL FRABRIC is primarily used as reinforcement with **ROOFSEAL® Silicone Mastic** for seams, flashings, penetrations, repairs, and other roof details. It can also be used with asphalt emulsions such as Ultraroom 900, Acrylastic 810 Mastic, Acrylastic 510 Roof Coating, cements, and compatible sealants."

WHY POLYESTER SHEETING?

When a liquid-applied waterproof coating is installed over a roof system saturated with water, moisture may remain trapped. During warm conditions, water can migrate upward as vapor and push on the elastomeric coating, causing blisters. Polyester sheeting helps reduce this blistering by allowing vapor movement through the reinforcement.

MANUFACTURER INFORMATION

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Made in the USA | Designed by Davlin in California

FLEXIBLE | REINFORCING | VAPOR-PERMEABLE

Polyester reinforcement for seams, details and roof restoration systems

ROOFSEAL FABRIC

ROOFSEAL FABRIC adds reinforcement to seams, panel overlaps, splits, joints, cracks, protrusions and flashing. It conforms readily to rough gravel surfaces and standing seam metal roof decks.

Available sizes: 4" x 324' | 6" x 324' | 40" x 324'

ROOFSEAL ULTRA FABRIC

Roofseal Ultra Fabric is a high-quality, super-durable reinforcement for roof restoration systems, roof splits and base flashing details. Its leno weave provides high tensile strength and tear resistance while allowing water vapor to pass outward through the coating.

Available size: 40" x 300'

SUITABLE APPLICATION AREAS

Seams

Flashings

Cracks

Splits

Overlaps

Protrusions

100%

POLYESTER

2.4 oz

FABRIC / SQ
YD

120

BURST LB/SQ
IN

43.2 lb

TENSILE MD

15.1%

ELONGATIO
MD

3

FABRIC
WIDTHS

REINFORCEMENT GUIDANCE

Roofseal Ultra Fabric may be embedded directly into **ROOFSEAL® Silicone Mastic** for reinforcement at seams, flashings, penetrations, repairs, and other roof details. It may also be rolled directly into Ultraroom 900 Primer. Its open leno weave is intended to permit water vapor to pass out of the coating without blistering while the coating helps resist additional liquid water entry into the substrate.

SYSTEM USE

Use Roofseal Fabrics in conjunction with Davlin roof coatings and products. For project-specific system compatibility, detail treatment and application requirements, consult current Davlin Coatings specifications.

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PROPERTIES / SPECIFICATIONS*

Property	Roofseal Fabric	Roofseal Ultra Fabric
Material / Construction	100% polyester	16x8 Leno weave
Weight	2.4 oz / sq yd	2.3 oz / sq yd
Color	-	Natural
Tear strength - machine	7.9 lb	26.3 lb (trap tear)
Tear strength - cross	10.4 lb	46.6 lb (trap tear)
Bursting strength	120 lb / sq in	-
Tensile / grab tensile - machine	43.2 lb	60 lb
Tensile / grab tensile - cross	19.1 lb	50 lb
Elongation - machine	15.1%	-
Elongation - cross	24.5%	-
Shrinkage @ 270°F - machine	-	7.9%
Shrinkage @ 270°F - cross	-	6.3%
Available sizes	4" x 324'; 6" x 324'; 40" x 324'	40" x 300'

FABRIC SELECTION / USE NOTES

ROOFSEAL FABRIC : general reinforcement at seams, overlaps, cracks, protrusions and flashing details.

ROOFSEAL ULTRA FABRIC : higher-strength leno-weave reinforcement for roof restoration systems, roof splits and base flashing details.

For more information on applications of Roofseal Fabrics, consult Davlin Coatings.

INSTALLATION / APPLICATION NOTES

FLASHINGS

Use a three-course method over flashing details. First apply *Ultrarroof 900* by brush or roller 4 inches up flashing and 4 inches over roof. While coating is wet, embed 6-inch *Roofseal Fabric* into coating 3 inches up flashing and 3 inches onto roof. Back roll another coat of *Ultrarroof 900* over fabric and surrounding roof area. Three-course installation material may change depending on application.

CRACKS

Cracks 1/16 inch or smaller can be bridged with *Ultrarroof 900* and require no special treatment. Cracks larger than 1/16 inch require special treatment.

Option 1: Treat cracks as a seam needing repair. Apply 4-6 inch wide *Roofseal Fabric* into the first coat of *Ultrarroof 900*, extending 2-3 inches on either side of the crack. Back roll fabric into coating and allow to dry.

Option 2: Fill cracks with *Acrylastic 910 Mastic* before applying *Ultrarroof 900*. Allow 4-8 hours to dry.

SEAMS

Loose or movement-susceptible metal roof seams, splitting seams in modified, BUR or cap roofs, and seams in new plywood require special treatment. In the first coat of *Ultrarroof 900*, embed 4-6 inch wide *Roofseal Fabric* into wet coating, extending 2-3 inches over the center of the seam requiring treatment. Back roll over fabric area and allow to dry.

LEAKING ROOFS

Determine whether leaks are presently occurring in the roof membrane. Where leaks are present, *Ultrarroof 900* must be used with *Roofseal Fabric* over areas where leakage has occurred. It is also recommended to cover the entire roof with *Roofseal Fabric* because it can be difficult to pinpoint the exact area that has leaked or to know where water has traveled within the substrate.

Embed 18-40 inch wide *Roofseal Fabric* into the first coat of *Ultrarroof 900* while still wet. Overlap sheets by 4 inches and back roll over the fabric.

Caution: *Ultrarroof 900* dries quickly, especially in warm and windy weather. Work in small areas so the coating remains wet enough to embed the polyester sheeting.

ROOFSEAL FABRIC

Polyester reinforcement fabric

The information, ratings, and opinions stated above are, to the best of our knowledge, accurate, representing the results of laboratory and field evaluation. It is the responsibility of the user to determine whether the product is suitable for the application. No warranty or guarantee as to results is hereby made or implied by Davlin Coatings LLC.